배포 명령어 정리

Docker Compose

```
version: "3"
services:
  mysql:
    image: mysql
    container_name: mysql
    environment:
      MYSQL_DATABASE: famil_link
      MYSQL_ROOT_PASSWORD: ss1235789
    volumes:
      - /mysql:/var/lib/mysql
    ports:
      - 3306:3306
    networks:
      - famil_link

  springboot:
    shm_size: '30gb'
    build: ./BE/Spring
    image: springboot-deploy
    container_name: springboot-deploy
    #    restart: always
    volumes:
      - /springboot:/upfiles
    networks:
      - famil_link
    ports:
      - 3000:9999
    depends_on:
      - mysql

  flask:
    shm_size: '30gb'
    build: ./BE/Flask
    image: flask-deploy
    container_name: flask-deploy
    #    restart: always
    volumes:
      - /flask:/app/upfiles
    networks:
      - famil_link
    ports:
      - 5000:5000
    depends_on:
      - springboot
```

```
networks:
  famil_link:
    driver: bridge
```

SPRING DOCKER FILE

```
FROM maven:3-jdk-8-alpine AS build

WORKDIR /opt/app

COPY ./ /opt/app
RUN mvn clean install -DskipTests

FROM openjdk:8-jdk-alpine

COPY --from=build /opt/app/target/*.jar app.jar
ENV PORT 9999
EXPOSE $PORT

ENTRYPOINT ["java", "-jar", "-Xmx1024M", "-Dserver.port=${PORT}", "app.jar"]
```

FLASK DOCKER FILE

```
FROM python:3.8-slim

COPY . /app

RUN apt-get update
RUN apt-get -y install libgl1-mesa-glx
RUN apt-get -y install libglib2.0-0

RUN pip3 install opencv-python==4.7.0.68
RUN pip3 install flask
RUN pip3 install keras==2.11.0
RUN pip3 install tensorflow==2.11.0
RUN pip3 install paho-mqtt==1.6.1
RUN pip3 install numpy==1.24.1


WORKDIR /app

CMD ["python3", "-m", "flask", "run", "--host=0.0.0.0"]
```

REACT DOCKER FILE

```
FROM node:alpine as builder

WORKDIR '/usr/src/app'

COPY package.json ./

RUN npm install --force

COPY ./ ./

RUN npm run build

FROM nginx

COPY --from=builder /usr/src/app/build /usr/share/nginx/htm
```